

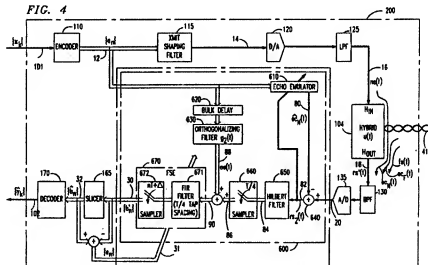
### REMARKS

Claims 11-19 are pending in the application, of which claims 11 and 14 are independent. Applicant has amended claims 11 and 14. Favorable reconsideration and further examination are requested.

The Examiner rejected claims 11-19 under 35 U.S.C. 103(a) as being unpatentable over *Golden* (US 5,163,044) in view of *Foley* (US 20010012319).

Claim 11 recites "after sampling at twice the symbol rate, the received signal, is equalized and the equalized received signal is sampled again at once the symbol rate and is subsequently supplied to the echo compensation device." The applied art is not understood to disclose or to suggest these features of claim 11.

*Golden* discloses a receiver arrangement for duplex transmission.



Using *Golden*'s receiver arrangement (e.g., as shown in FIG. 4 of *Golden* reproduced above), a received signal is sampled by the A/D converter 135. The sampled signal is provided to the echo compensation device 600 which subtracts an echo signal generated by echo emulator 610 from the received signal using an adder 640. The echo-compensated signal subsequently passes through FIR filter 671 and another sampling device 672. Sampling device 672 samples the echo

compensated signal at the sampling rate. Thus, in *Golden's* system, the signal is sampled by the second sampler (e.g., sampling device 672) after the signal has been provided to the echo compensation device 640. As such, *Golden* fails to disclose or suggest an equalized received signal that is "sampled again at once the symbol rate and is subsequently supplied to the echo compensation device."

*Foley* is not believed to add anything that would remedy the foregoing deficiency in the teaching of *Golden*. Accordingly, claim 11 is believed to be allowable.

Claim 14, which is directed to a receiver arrangement for a duplex transmission unit, recites a second sampling device that is "provided to sample the received signal equalized by the second equalizer at once the symbol rate and to subsequently supply the received signal to the echo compensation device." Claim 14 is believed to be allowable for reasons similar to those presented above.

Each of the dependent claims is also believed to define patentable features of the invention. Each dependent claim partakes of the novelty of its corresponding independent claim and, as such, has not been discussed specifically herein.

It is believed that all of the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment.

In view of the foregoing amendments and remarks, Applicants respectfully submit that the application is in condition for allowance, and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney can be reached at the address shown below. All telephone calls should be directed to the undersigned at 617-368-2141.

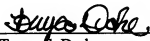
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Page : 7 of 7

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Respectfully submitted,

Date: August 21, 2006

  
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